

PCT

WORLD INTELLECT
Int

INTERNATIONAL APPLICATION PUBLISHED

WO 9604747A1

(51) International Patent Classification 6 : H04N 1/405		A1	(11) International Publication Number: WO 96/04747
			(43) International Publication Date: 15 February 1996 (15.02.96)
(21) International Application Number: PCT/IB95/00590		(81) Designated States: JP, KR, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).	
(22) International Filing Date: 28 July 1995 (28.07.95)		Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
(30) Priority Data: 08/283,028 29 July 1994 (29.07.94) US			
(71) Applicant: THE HARLEQUIN GROUP LIMITED (GB/GB); Barrington Hall, Barrington, Cambridge CB2 5RG (GB).			
(72) Inventor: HALL, Daniel; 1 Hollymount, St. Matthewes Street, Cambridge CB1 1QD (GB).			
(74) Agents: LIESEGANG, Roland et al.; Boehmert & Boehmert, Nordemann & Partner, Franz-Joseph-Strasse 38, D-80801 München (DE).			

(54) Title: IMAGE DISPLAY USING IRREGULARLY PLACED CURVING STRUCTURES

(57) Abstract

A method and apparatus for digital halftoning places curving structure centers at random locations within a halftone cell. Pixel illumination ordering is determined based on displacement from a pixel to a nearest CSC along a curving structure. Curving structures including spirals with varying numbers of arms, varying angles of departure, varying orientations, and varying other parameters are used to achieve visual aesthetics as desired.

